

Metal Barrel-M8

General Data

- Stainless steel housing
- Threaded barrel M8x1
- DC 3-wire
- Function display LED
- Degree of protection IP67
- Flush/non flush mounting
- High switching frequency
- Short version KM08S available

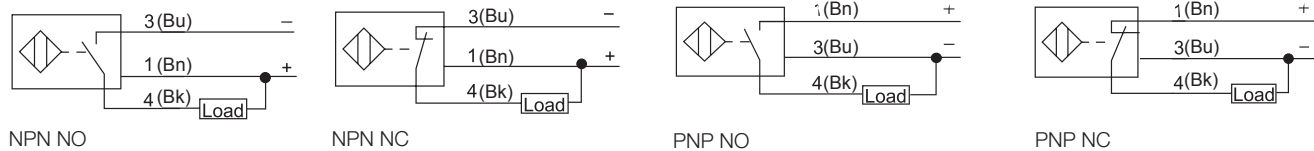


Technical Data

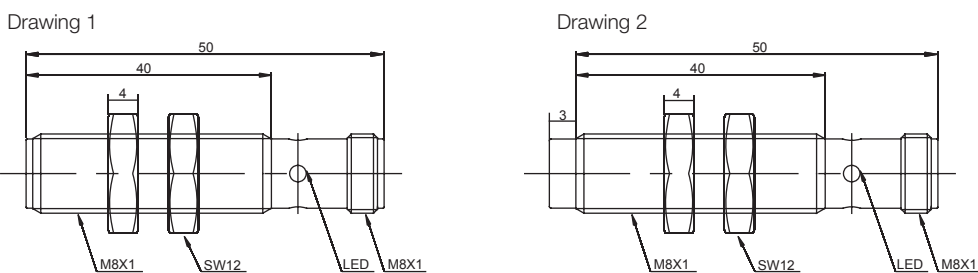
Type	Rated operating distance S_n	Mounting	Output function	Output type	Voltage-range U_b	Rated current	Switching frequency	Ambient temperature	Connection	Mechanical Drawing
<i>Fi2-KM08-OP6L-Q8</i>	2mm	flush	NO	PNP	10...30VDC	≤150mA	2000Hz	-25...70°C	Connector M8	1
<i>Fi2-KM08-ON6L-Q8</i>	2mm	flush	NO	NPN	10...30VDC	≤150mA	2000Hz	-25...70°C	Connector M8	1
<i>Fi2-KM08-CP6L-Q8</i>	2mm	flush	NC	PNP	10...30VDC	≤150mA	2000Hz	-25...70°C	Connector M8	1
<i>Fi2-KM08-CN6L-Q8</i>	2mm	flush	NC	NPN	10...30VDC	≤150mA	2000Hz	-25...70°C	Connector M8	1
<i>Ni3-KM08-OP6L-Q8</i>	3mm	non flush	NO	PNP	10...30VDC	≤150mA	1500Hz	-25...70°C	Connector M8	2
<i>Ni3-KM08-ON6L-Q8</i>	3mm	non flush	NO	NPN	10...30VDC	≤150mA	1500Hz	-25...70°C	Connector M8	2
<i>Ni3-KM08-CP6L-Q8</i>	3mm	non flush	NC	PNP	10...30VDC	≤150mA	1500Hz	-25...70°C	Connector M8	2
<i>Ni3-KM08-CN6L-Q8</i>	3mm	non flush	NC	NPN	10...30VDC	≤150mA	1500Hz	-25...70°C	Connector M8	2

Connection Diagram

Bu = blue; Bn = brown; Bk = black; Wh = white; (1-4) = Connector pin M8



Mechanical Drawing



**Approvals
Certificates**



Metal Barrel-M8

General Data

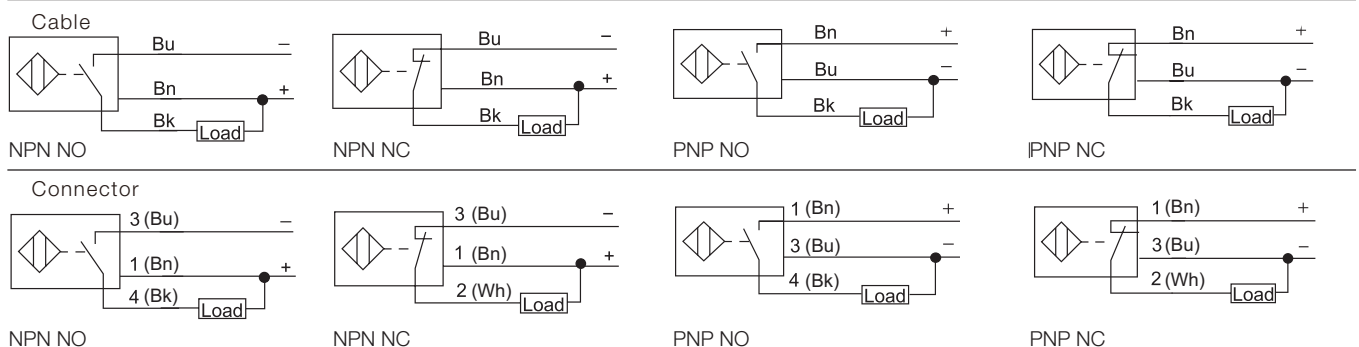
- Nickel-plated brass housing, KM optional
- Threaded barrel M8x1
- DC 3-wire
- Function display LED
- Degree of protection IP67
- Flush/non flush mounting
- High switching frequency
- Connector M12 optional
- Short version M08S available



Technical Data

Type	Rated operating distance S_n	Mounting	Output function	Output type	Voltage-range U_b	Rated current	Switching frequency	Ambient temperature	Connection	Mechanical Drawing
Fi2-M08-OP6L	2mm	flush	NO	PNP	10...30VDC	≤150mA	2000Hz	-25...70°C	2m cable	1
Fi2-M08-ON6L	2mm	flush	NO	NPN	10...30VDC	≤150mA	2000Hz	-25...70°C	2m cable	1
Fi2-M08-CP6L	2mm	flush	NC	PNP	10...30VDC	≤150mA	2000Hz	-25...70°C	2m cable	1
Fi2-M08-CN6L	2mm	flush	NC	NPN	10...30VDC	≤150mA	2000Hz	-25...70°C	2m cable	1
Ni3-M08-OP6L	3mm	non flush	NO	PNP	10...30VDC	≤150mA	1500Hz	-25...70°C	2m cable	2
Ni3-M08-ON6L	3mm	non flush	NO	NPN	10...30VDC	≤150mA	1500Hz	-25...70°C	2m cable	2
Ni3-M08-CP6L	3mm	non flush	NC	PNP	10...30VDC	≤150mA	1500Hz	-25...70°C	2m cable	2
Ni3-M08-CN6L	3mm	non flush	NC	NPN	10...30VDC	≤150mA	1500Hz	-25...70°C	2m cable	2
Fi2-M08-OP6L-Q12	2mm	flush	NO	PNP	10...30VDC	≤150mA	2000Hz	-25...70°C	Connector M12	3
Fi2-M08-ON6L-Q12	2mm	flush	NO	NPN	10...30VDC	≤150mA	2000Hz	-25...70°C	Connector M12	3
Fi2-M08-CP6L-Q12	2mm	flush	NC	PNP	10...30VDC	≤150mA	2000Hz	-25...70°C	Connector M12	3
Fi2-M08-CN6L-Q12	2mm	flush	NC	NPN	10...30VDC	≤150mA	2000Hz	-25...70°C	Connector M12	3
Ni3-M08-OP6L-Q12	3mm	non flush	NO	PNP	10...30VDC	≤150mA	1500Hz	-25...70°C	Connector M12	4
Ni3-M08-ON6L-Q12	3mm	non flush	NO	NPN	10...30VDC	≤150mA	1500Hz	-25...70°C	Connector M12	4
Ni3-M08-CP6L-Q12	3mm	non flush	NC	PNP	10...30VDC	≤150mA	1500Hz	-25...70°C	Connector M12	4
Ni3-M08-CN6L-Q12	3mm	non flush	NC	NPN	10...30VDC	≤150mA	1500Hz	-25...70°C	Connector M12	4

Connection Diagram Bu = blue; Bn = brown; Bk = black; Wh = white; (1-4) = Connector pin M8



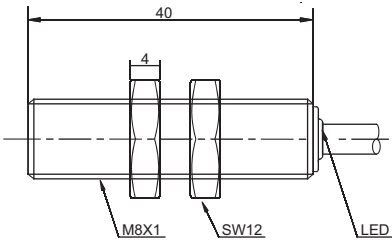
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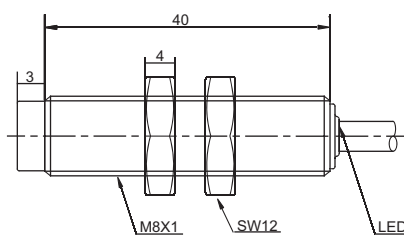
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Mechanical Drawing

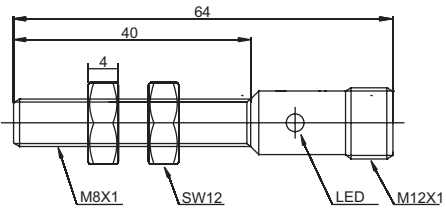
Drawing 1



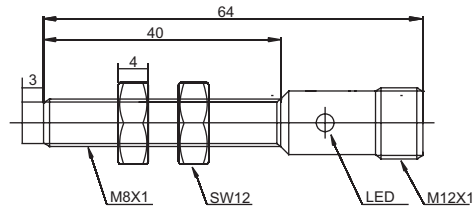
Drawing 2



Drawing 3



Drawing 4



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